Title (en)

USE OF 2,3,3,3-TETRAFLUOROPROPENE/VINYLIDENE FLUORIDE COPOLYMERS TO PREVENT BIOFOULING

Title (de)

VERWENDUNG VON 2,3,3,3-TETRAFLUORPROPEN- VINYLIDEN-FLUORIDCOPOLYMEREN ZUR BIOFÄULNISVERHINDERUNG

Title (fr)

UTILISATION DE COPOLYMÈRES 2,3,3,3-TÉTRAFLUOROPROPÈNE/FLUORURE DE VINYLIDÈNE POUR EMPÊCHER UN BIO-ENCRASSEMENT

Publication

EP 2882814 A4 20160113 (EN)

Application

EP 13827888 A 20130726

Priority

- US 201261681275 P 20120809
- US 201313789389 A 20130307
- US 2013052165 W 20130726

Abstract (en)

[origin: US2014044764A1] A copolymer comprising 2,3,3,3-tetrafluoropropene and vinylidene fluoride and having a surface energy of between about 20 and about 30 mJ/m2. A process of preparing a surface having a surface energy of between about 20 and about 30 mJ/m2, comprising a step of applying said copolymer to a support. A method of preventing biofouling on an article of manufacture comprising applying said copolymer to the article of manufacture. An article of manufacture that is at least partly covered with said copolymer.

IPC 8 full level

C09D 5/16 (2006.01); **C08L 27/12** (2006.01); **C09D 127/12** (2006.01)

CPC (source: EP KR US)

A01N 29/02 (2013.01 - EP KR US); **C08F 214/22** (2013.01 - KR US); **C09D 5/1668** (2013.01 - EP KR US)

Citation (search report)

- [XDY] US 2011097529 A1 20110428 - DURALI MEHDI [US], et al
- [YD] ROBERT EDWARD BAIER: "Surface behaviour of biomaterials: The theta surface for biocompatibility", JOURNAL OF MATERIALS SCIENCE: MATERIALS IN MEDICINE, KLUWER ACADEMIC PUBLISHERS, BO, vol. 17, no. 11, 22 November 2006 (2006-11-22), pages 1057 - 1062, XP019451042, ISSN: 1573-4838, DOI: 10.1007/S10856-006-0444-8
- See references of WO 2014025548A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

US 201313789389 A 20130307; CN 201380042149 A 20130726; EP 13827888 A 20130726; JP 2015526561 A 20130726; KR 20157002539 A 20130726; US 2013052165 W 20130726; US 201414163417 A 20140124